

## 1500 Gallon per Hour (GPH) Reverse Osmosis Water Purification Unit (ROWPU)

### DESCRIPTION

The Marine Corps currently uses the 600 GPH ROWPU to produce potable water from salt, brackish, and fresh water sources in amphibious and expeditionary environments. The 1500 GPH ROWPU will incorporate technological advances that will produce a significantly more efficient water purification system. The new system will more than double the production rate of potable water while maintaining the same physical envelope or “footprint” as the 600 GPH unit.

PROCUREMENT PROFILE:	FY00	FY01
<i>Quantity:</i>	<i>0</i>	<i>0</i>

### OPERATIONAL IMPACT

The 1500 GPH ROWPU is a joint DoD effort intended to replace the existing 600 GPH ROWPU on a 1 for 2 basis. It is designed to meet the Services’ water usage demands and to eliminate deficiencies identified during Operation Desert Shield/Desert Storm.

### PROGRAM STATUS

The Army is the lead Service in this joint Army-Marine Corps development. Milestone III and type classification of the system is projected for FY00 with competition for a Production Contract scheduled for FY01. The Marine Corps IOC is scheduled for FY03 with FOC in FY05.

### DEVELOPER/MANUFACTURER

U.S. Army Tank-Automotive & Armaments Command (TACOM), Warren, MI & Naval Facilities Engineering Service Center, Port Hueneme, CA

